

gat ctg gat aga ata tcc cag tct aac tac att cca act cag caa gat Asp Leu Asp Arg Ile Ser Gln Ser Asn Tyr Ile Pro Thr Gln Gln Asp	527
160 165 170	
gtt ctt cg ^g acg aga gtg aag acc aca ggc att gta gaa aca cat ttc Val Leu Arg Thr Arg Val Lys Thr Thr Gly Ile Val Glu Thr His Phe	575
175 180 185	
acc ttc aaa gac cta tac ttc aag atg ttt gat gta ggt ggc caa aga Thr Phe Lys Asp Leu Tyr Phe Lys Met Phe Asp Val Gly Gly Gln Arg	623
190 195 200 205	
tca gaa cga aaa aag tgg att cac tgt ttt gag gga gtg aca gca att Ser Glu Arg Lys Lys Trp Ile His Cys Phe Glu Gly Val Thr Ala Ile	671
210 215 220	
atc ttc tgt gtg gcc ctc agt gat tat gac ctt gtt ctg gct gag gac Ile Phe Cys Val Ala Leu Ser Asp Tyr Asp Leu Val Leu Ala Glu Asp	719
225 230 235	
gag gag atg aac cga atg cat gaa agc atg aaa ctg ttt gac agc att Glu Glu Met Asn Arg Met His Glu Ser Met Lys Leu Phe Asp Ser Ile	767
240 245 250	
tgt aat aac aaa tgg ttt aca gaa act tca atc att ctc ttc ctt aac Cys Asn Asn Lys Trp Phe Thr Glu Thr Ser Ile Ile Leu Phe Leu Asn	815
255 260 265	
aag aaa gac ctt ttt gag gaa aaa ata aag agg agt ccg tta act atc Lys Lys Asp Leu Phe Glu Glu Lys Ile Lys Arg Ser Pro Leu Thr Ile	863
270 275 280 285	
tgt tat cca gaa tac aca ggt tcc aat aca tat gaa gag gca gct gcc Cys Tyr Pro Glu Tyr Thr Gly Ser Asn Thr Tyr Glu Glu Ala Ala Ala	911
290 295 300	
tat att caa tgc cag ttt gaa gat ctg aac aga aga aaa gat acc aag Tyr Ile Gln Cys Gln Phe Glu Asp Leu Asn Arg Arg Lys Asp Thr Lys	959
305 310 315	
gag atc tat act cac ttc acc tgt gcc aca gac acg aag aat gtg cag Glu Ile Tyr Thr His Phe Thr Cys Ala Thr Asp Thr Lys Asn Val Gln	1007
320 325 330	
ttt gtt ttt gat gct gtt aca gat gtc atc att aaa aac aac tta aag Phe Val Phe Asp Ala Val Thr Asp Val Ile Ile Lys Asn Asn Leu Lys	1055
335 340 345	
gaa tgt gga ctt tat tga gaagcatgga tgtagtgaa agttactaca gtgtggagtg 1113 Glu Cys Gly Leu Tyr	
350	
ttgagaccag acaccccttg ctgtctcatg gggcagctac aagcatgaac gggaccagg 1173	
aatggcagca gcatgcagaa tcttagcact ctttagcaca atatttgta ttggaaact 1233	
tttaattgac atgagatgct aaagtcagac attggaattg gaagaactat aaagtgtgat 1293	
tcgatcgta agacatcact tggattctt aatcttaaca tgcttatgga agatgtgaag 1353	
ttgaggtgct gcattctaga acttcataatg tagcttactc ttttttccc cccttctaa 1413	
accaccagtg gttcattttt aaggaaaaat catcaagaga agaataactt tactaaat 1473	

tatttcttta tttgcaaaag aatctttatt aaaacaaaaca atcttaacta tgaaaaaaaa	1533
agccgaattc	1543
<210> 2	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> PCR Primer	
<400> 2	
ggacggctaa agattgactt tgg	23
<210> 3	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> PCR Primer	
<400> 3	
cagcactgcc agctaaaaca aat	23
<210> 4	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> PCR Probe	
<400> 4	
agggcagatg atgcccggca at	22
<210> 5	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> PCR Primer	
<400> 5	
gaagggtgaag gtcggagtc	19
<210> 6	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> PCR Primer	
<400> 6	
gaagatggtg atgggatttc	20

<210> 7		
<211> 20		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> PCR Probe		
<400> 7		
caagcttccc gttctcagcc		20
<210> 8		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 8		
atcttgcttc gctccact		18
<210> 9		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 9		
attgtttaca ttcatcct		18
<210> 10		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 10		
caatcttag ccgtccca		18
<210> 11		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 11		
gactccttct tcagcact		18
<210> 12		
<211> 18		

<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 12		
ccaccatctc gccataac		18
<210> 13		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 13		
aatgttgtt aactggga		18
<210> 14		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 14		
catttgctg agttggaa		18
<210> 15		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 15		
tcactctcggt ccgaagaa		18
<210> 16		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 16		
tggtcttcac tctcggtcc		18
<210> 17		
<211> 18		
<212> DNA		
<213> Artificial Sequence		

<220>		
<223> Antisense Oligonucleotide		
<400> 17		
acaatgcctg tggcttc		18
<210> 18		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 18		
gtgtttctac aatgcctg		18
<210> 19		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 19		
aaatgtgttt ctacaatg		18
<210> 20		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 20		
gagttggaat gtagttag		18
<210> 21		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		
<400> 21		
agccagaaca aggtcata		18
<210> 22		
<211> 18		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Antisense Oligonucleotide		

<400> 22	
taattgctgt cactccct	18
<210> 23	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 23	
aggtcataat cactgagg	18
<210> 24	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 24	
aatgattgaa gtttctgt	18
<210> 25	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 25	
ttaaggaaga gaatgatt	18
<210> 26	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 26	
taacggactc ctctttat	18
<210> 27	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 27	
agagaatgat tgaagttt	18

```

<210> 28
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide

<400> 28
ggtatctttt cttctgtt 18

<210> 29
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide

<400> 29
atctccttgg tatctttt 18

<210> 30
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide

<400> 30
tattggaacc tgtgtatt 18

<210> 31
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide

<400> 31
tggcacaggt gaagttag 18

<210> 32
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide

<400> 32
caataaagtc cacattcc 18

<210> 33
<211> 18
<212> DNA

```

<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 33	18
ccatgttct caataaag	
<210> 34	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 34	18
ctcaacactc cacactgt	
<210> 35	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 35	18
aagggtgtcg gtctcaac	
<210> 36	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 36	18
catgagacag caaaaggt	
<210> 37	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 37	18
cttctcaata aagtccac	
<210> 38	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	

<223> Antisense Oligonucleotide
<400> 38
acactgtagt aactttca 18

<210> 39
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide
<400> 39
actccacact gtagtaac 18

<210> 40
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide
<400> 40
taaagagtgc taagattc 18

<210> 41
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide
<400> 41
aagttcccta atacaaaa 18

<210> 42
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide
<400> 42
gtctgacttt agcatctc 18

<210> 43
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense Oligonucleotide
<400> 43

aattccaatg tctgactt	18
<210> 44	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 44	
ttaagaaatc caagtgat	18
<210> 45	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 45	
tcaacttcac atcttcca	18
<210> 46	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 46	
atgcagcacc tcaacttc	18
<210> 47	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Antisense Oligonucleotide	
<400> 47	
taaagttatt cttctctt	18